

Checklist of the family Sphaeroceridae (Diptera) of Finland

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Abstract

A checklist of the family Sphaeroceridae (Diptera) recorded from Finland.

Keywords

Checklist, Finland, Diptera, Sphaeroceridae

Introduction

Sphaeroceridae or lesser dung flies are mostly small and dull dark brown to grey acalyptrate flies. They are easily distinguished from other acalyptratae because of the short and thickened basal tarsomeres of hind legs. Larvae of Sphaeroceridae develop in decaying organic matter such as decaying vegetation, dung and rotten fungi.

The family has gathered little interest among entomologists in Finland. Walter Hackman concentrated on the taxonomy of the subfamily Copromyzinae (Hackman 1965) and investigated the dipterous fauna, including sphaerocerids, in the burrows of small mammals (Hackman 1963). Hackman (1980) published the latest list of the Finnish sphaerocerid species. Further species were added in several revisions of Eu-

ropean taxa by Roháček (1982, 1983, 1991). There has been increasing interest in sphaerocerids in Finland after the year 2000 (see Haarto and Kahanpää 2013).

The classification follows the world catalogue of Sphaeroceridae (Roháček et al. 2001, Marshall et al. 2011).

Number of species:

World: 1571 species (Pape et al. 2011)

Europe: 257 species

Finland: 118 species

Faunistic knowledge level in Finland: average

Checklist

suborder Brachycera Macquart, 1834

clade Eremoneura Lameere, 1906

clade Cyclorrhapha Brauer, 1863

infraorder Schizophora Becher, 1882

clade Muscaria Enderlein, 1936

parvorder Acalyptratae Macquart, 1835

superfamily Sphaeroceroidea Macquart, 1835

SPHAEROCERIDAE Macquart, 1835

COPROMYZINAE Stenhammar, 1854

ALLOBORBORUS Duda, 1923

Alloborborus pallifrons (Fallén, 1820)

= *flavipennis* (Haliday, 1836)

BORBORILLUS Duda, 1923

Borborillus uncinatus (Duda, 1923)

Borborillus vitripennis (Meigen, 1830)

= *longipennis* (Haliday, 1836)

COPROMYZA Fallén, 1810

Copromyza borealis Zetterstedt, 1847

Copromyza equina Fallén, 1820

Copromyza nigrina (Gimmerthal, 1847)

= *similis* (Collin, 1930)

Copromyza stercoraria (Meigen, 1830)

CRUMOMYIA Macquart, 1835

= *Apterina* Macquart, 1835

Crumomyia fimetaria (Meigen, 1830)

Crumomyia gelida Hackman, 1965

Crumomyia glabrifrons (Meigen, 1830)

Crumomyia nigra (Meigen, 1830)

Crumomyia nitida (Meigen, 1830)

Crumomyia notabilis (Collin, 1902)

= *glacialis* misid.

Crumomyia pedestris (Meigen, 1830)

Crumomyia pruinosa (Richards, 1932)

= *annulus* misid.

= *rufoannulata* misid.

Crumomyia setitibialis (Spuler, 1925)

= *freyi* (Hackman, 1965)

= *annulipes* misid.

= *roseri* misid.

LOTOPHILA Lioy, 1864

Lotophila atra (Meigen, 1830)

NORRBOMIA Papp, 1988

Norrbomia costalis (Zetterstedt, 1847)

Norrbomia fumipennis (Stenhammar, 1855)

Norrbomia hispanica (Duda, 1923)

Norrbomia sordida (Zetterstedt, 1847)

SPHAEROCERINAE Macquart, 1835

ISCHIOLEPTA Lioy, 1864

Ischiolepta crenata (Meigen, 1838)

Ischiolepta denticulata (Meigen, 1830)

= *paracrenata* (Duda, 1920)

Ischiolepta micropyga (Duda, 1938)

Ischiolepta nitida (Duda, 1920)

= *denticulata* auct. nec (Meigen, 1830)

Ischiolepta pusilla (Fallén, 1820)

Ischiolepta scabricula (Haliday, 1836)

Ischiolepta vaporariorum (Haliday, 1836)

LOTOBIA Lioy, 1864

Lotobia pallidiventris (Meigen, 1830)

SPHAEROCERA Latreille, 1804

= *Cypsela* Meigen, 1800 suppr.

Sphaerocera curvipes Latreille, 1805

Sphaerocera monilis Haliday, 1836

LIMOSININAE Frey, 1921

APTEROMYIA Vimmer, 1929

Apteromyia claviventris (Strobl, 1909)

BIFRONSINA Roháček, 1983

Bifronsina bifrons (Stenhammar, 1855)

CHAETOPODELLA Duda, 1920

sg. *Chaetopodella* Duda, 1920

Chaetopodella scutellaris (Haliday, 1836)

COPROICA Rondani, 1861*Coproica acutangula* (Zetterstedt, 1847)*Coproica ferruginata* (Stenhammar, 1855)*Coproica hirticula* Collin, 1965*Coproica hirtula* (Rondani, 1880)*Coproica lugubris* (Haliday, 1835)*Coproica pusio* (Zetterstedt, 1847)= *pseudolugubris* (Duda, 1924)*Coproica vagans* (Haliday, 1833)**ELACHISOMA** Rondani, 1880*Elachisoma aterrimum* (Haliday, 1833)**EULIMOSINA** Roháček, 1983*Eulimosina ochripes* (Meigen, 1830)**GIGALIMOSINA** Roháček, 1983*Gigalimosina flaviceps* Zetterstedt, 1847**GONIONEURA** Rondani, 1880= *Halidayina* Duda, 1918*Gonioneura spinipennis* (Haliday, 1836)**HERNIOSINA** Roháček, 1983*Herniosina bequaerti* (Villeneuve, 1917)**LEPTOCERA** Olivier, 1813= *Paracollinella* Duda, 1924*Leptocera caenosa* (Rondani, 1880)*Leptocera finalis* (Collin, 1956)*Leptocera fontinalis* (Fallén, 1826)*Leptocera nigra* Olivier, 1813**LIMOSINA** Macquart, 1835*Limosina silvatica* (Meigen, 1830)**MINILIMOSINA** Roháček, 1983**sg. *Minilimosina*** Roháček, 1983*Minilimosina baculum* Marshall, 1985*Minilimosina bicuspis* Roháček, 1993= *trogeri* misid.*Minilimosina fungicola* (Haliday, 1836)= *exigua* (Rondani, 1880)*Minilimosina parvula* Stenhammar, 1855*Minilimosina tenera* Roháček, 1983**sg. *Svarciella*** Roháček, 1983*Minilimosina guestphalica* (Duda, 1918)= *v-atrum* misid.*Minilimosina v-atrum* (Villeneuve, 1917)= *splendens* (Duda, 1928)*Minilimosina vitripennis* (Zetterstedt, 1847)

OPACIFRONS Duda, 1918*Opacifrons coxata* (Stenhammar, 1855)**OPALIMOSINA** Roháček, 1983**sg. Dentilimosina** Roháček, 1983*Opalimosina denticulata* (Duda, 1924)**sg. Opalimosina** Roháček, 1983*Opalimosina collini* (Richards, 1929)*Opalimosina mirabilis* (Collin, 1902)*Opalimosina simplex* Richards 1929**sg. Pappiella** Roháček, 1983*Opalimosina liliputana* (Rondani, 1880)= *appendiculata* Villeneuve, 1918**PARALIMOSINA** Papp, 1973*Paralimosina kaszabi* Papp, 1973**PHILOCOPRELLA** Richards, 1929*Philocoprella quadrispina* (Laurence, 1952)**PHTHITIA** Enderlein, 1938**sg. Alimosina** Roháček, 1983*Phthitia empirica* (Hutton, 1901)= *cadaverina* (Duda, 1918)**sg. Collimosina** Roháček, 1983*Phthitia spinosa* Collin, 1930**sg. Kimosina** Roháček, 1983*Phthitia longisetosa* (Dahl, 1909)*Phthitia plumosula* (Rondani, 1880)**PSEUDOCOLLINELLA** Duda, 1924*Pseudocollinella flavilabris* (Hackman, 1968)*Pseudocollinella humida* (Haliday, 1836)*Pseudocollinella septentrionalis* (Stenhammar, 1855)**PTEREMIS** Rondani, 1856*Pteremis fenestralis* (Fallén, 1820)= *nivalis* (Haliday, 1833)= *subaptera* Frey, 1946**PULLIMOSINA** Roháček, 1983**sg. Dahlimosina** Roháček, 1983*Pullimosina dahli* (Duda, 1918)**sg. Pullimosina** Roháček, 1983*Pullimosina heteroneura* (Haliday, 1836)*Pullimosina meijerei* (Duda, 1918)*Pullimosina moesta* (Villeneuve, 1918)= *antennata* (Duda, 1918)*Pullimosina pullula* (Zetterstedt, 1847)*Pullimosina vulgesta* Roháček, 2001

= *moesta* auct. nec (Villeneuve, 1918)

RACHISPODA Lioy, 1864

Rachispoda anceps (Stenhammar, 1855)

Rachispoda breviceps (Stenhammar, 1855)

Rachispoda fuscipennis (Haliday, 1833)

Rachispoda hostica Villeneuve, 1917

Rachispoda intermedia (Duda, 1918)

Rachispoda limosa (Zetterstedt, 1820)

Rachispoda lugubrina (Zetterstedt, 1847)

Rachispoda lutosa (Stenhammar, 1855)

= *palustris* (Collin, 1930)

Rachispoda lutosoidea (Duda, 1938)

= *lutosa* auct. nec (Stenhammar, 1855)

SPELOBIA Spuler, 1924

Spelobia belanica Roháček, 1983

Spelobia cambrica (Richards, 1929)

Spelobia clunipes (Meigen, 1830)

= *crassimana* (Haliday, 1836)

Spelobia ibrida Roháček, 1983

Spelobia luteilabris (Rondani, 1880)

Spelobia manicata (Richards, 1927)

Spelobia nana (Rondani, 1880)

Spelobia palmata (Richards, 1927)

Spelobia pappi Roháček, 1983

Spelobia parapusio (Dahl, 1909)

Spelobia pseudonivalis (Dahl, 1909)

Spelobia pseudosetaria (Duda, 1918)

= *penetralis* (Collin, 1925)

Spelobia rufilabris (Stenhammar, 1855)

Spelobia talparum (Richards, 1927)

Spelobia ulla Roháček, 1983

SPINILIMOSINA Roháček, 1983

Spinilimosina brevicostata (Duda, 1918)

TELOMERINA Roháček, 1983

Telomerina eburnea Roháček, 1983

Telomerina flavipes (Meigen, 1830)

Telomerina pseudoleucoptera (Duda, 1924)

TERRILIMOSINA Roháček, 1983

Terrilimosina racovitzai (Bezzi, 1911)

Terrilimosina schmitzi (Duda, 1918)

THORACOAETA Duda, 1918

Thoracochaeta brachystoma (Stenhammar, 1855)

Thoracochaeta zosterae (Haliday, 1833)

TRACHYOPELLA Duda, 1918

sg. *Nudopella* Roháček & Marshall, 1986

Trachyopella leucoptera (Haliday, 1836)

sg. *Trachyopella* Duda, 1918

Trachyopella atomus (Rondani, 1880)

Trachyopella bovilla Collin, 1954

= *coprina* misid.

Trachyopella lineafrons (Spuler, 1925)

= *atomus* misid.

Trachyopella melania (Haliday, 1836)

= *villeneuvei* (Duda, 1924)

Excluded species

Rachispoda cilifera (Rondani, 1880) not found within present borders

Minilimosina unica (Papp, 1973) not found within present borders

= *hackmani* (Roháček, 1977)

Notes

Spelobia manicata (Richards, 1927) is considered a valid species although Pitkin (1988) synonymized it with *Spelobia clunipes* (Meigen, 1830).

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